

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No. NOG13121857

6. If Indian, Allottee or Tribe Name
NAVAJO NATION

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
ENDURING RESOURCES LLC

3a. Address 200 ENERGY COURT, FARMINGTON, NM 87401 3b. Phone No. (include area code)
(505) 497-8574

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)
SEC 23/T23N/R9W/NMP

7. If Unit of CA/Agreement, Name and/or No.
Greater Lybrook/NMNM144419X

8. Well Name and No.
GREATER LYBROOK UNIT/055H

9. API Well No. 3004538309

10. Field and Pool or Exploratory Area
BASIN MANCOS/LYBROOK MANCOS W

11. Country or Parish, State
SAN JUAN/NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off	
☒ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity	
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other	
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon		
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

Enduring Resources performed a drillout and initial gas-lift installation on the subject well. An updated wellbore schematic is attached.

EOT: 4752 MD
GLVs: 1363, 1924, 2518, 3076, 3633, 4157
Job Start: 3.16.2024
Job End: 3.18.2024

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
HEATHER HUNTINGTON / Ph: (505) 636-9751

Title
Permitting Technician

Signature (Electronic Submission)

Date
04/22/2024

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by
KENNETH G RENNICK / Ph: (505) 564-7742 / Accepted

Title
Petroleum Engineer

Date
04/22/2024

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office
FARMINGTON

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

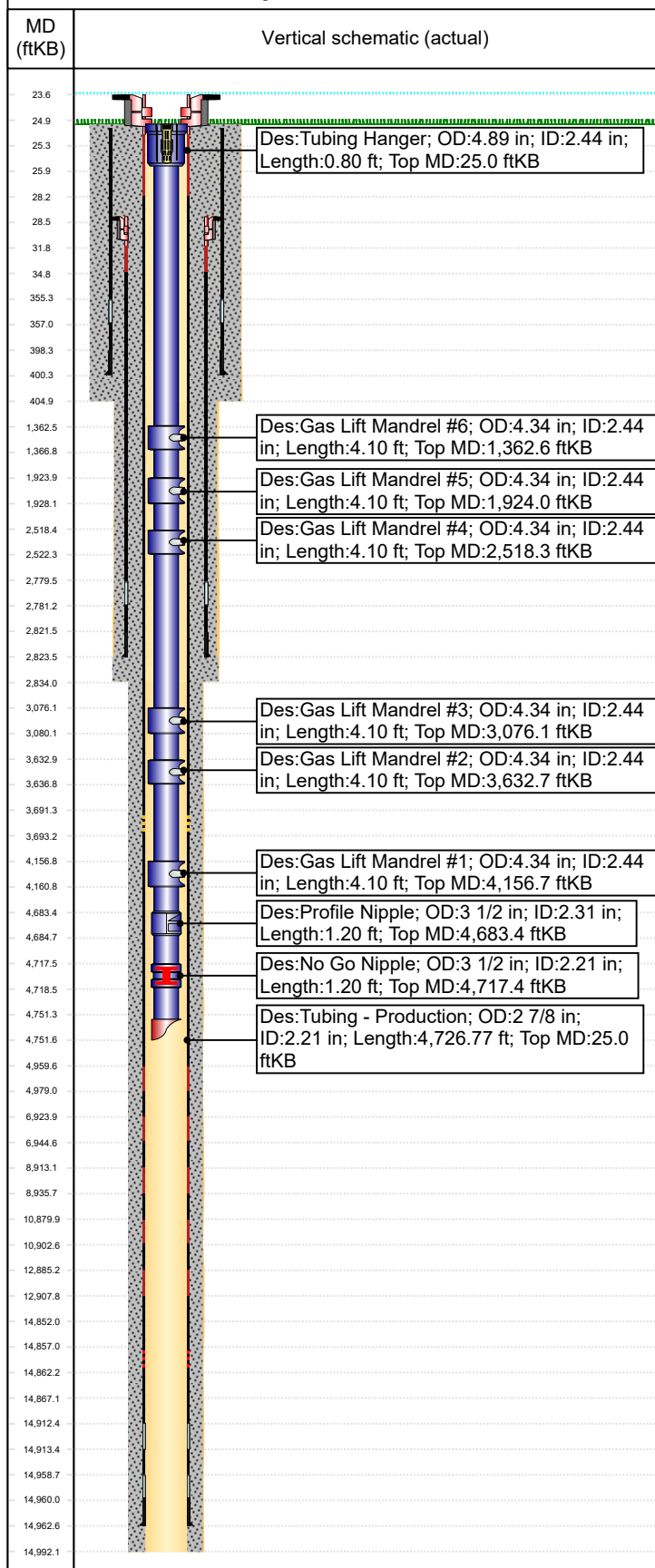


Enduring Resources IV - Production WBD

Well Name: GREATER LYBROOK UNIT 045H (EKA WLU 774H) NOTE: Well schematic is drawn vertically due to space constraints on the report. Please reference the directional surveys as needed.

API/UWI 30-045-38309	Surface Legal Location 23-23N-09W	Field Name	License #	State/Province New Mexico	Well Configuration Type Horizontal
Original KB Elevation (ft) 6,826.00	KB-Tubing Head Distance (ft)	Spud Date 8/29/2023 14:30	Rig Release Date	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB) Original Hole - 4,291.6

Horizontal, Original Hole, 4/9/2024 10:49:14 AM



Wellbore Sections

Section Des	Size (in)	Act Top (ftKB)	Act Top (TVD) (ftKB)	Act Btm (ftKB)	Act Btm (TVD) (ftKB)
Surface	17 1/2	25.0	25.0	405.0	405.0
Intermediate	12 1/4	405.0	405.0	2,834.0	2,685.7
Production	8 1/2	2,834.0	2,685.7	14,992.0	4,291.6

Rod Strings

Rod Description	Run Date	String Length (ft)	Set Depth (ftKB)
Item Des	Jts	OD (in)	Len (ft)
			Top (ftKB)
			Btm (ftKB)

Tubing - Production set at 4,751.8ftKB on 3/18/2024 19:30

Tubing Description		Run Date			String Length (ft)		Set Depth (ftKB)	
Tubing - Production		3/18/2024			4,726.77		4,751.8	
Item Des	Jts	Grade	Wt (lb/ft)	OD (in)	ID (in)	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger	1	L-80	6.50	4.89	2.44	0.80	25.0	25.8
Tubing	41	L-80	6.50	2 7/8	2.44	1,336.83	25.8	1,362.6
Gas Lift Mandrel #6	1	L-80	6.50	4.335	2.44	4.10	1,362.6	1,366.7
Tubing	17	L-80	6.50	2 7/8	2.44	557.29	1,366.7	1,924.0
Gas Lift Mandrel #5	1	L-80	6.50	4.335	2.44	4.10	1,924.0	1,928.1
Tubing	18	L-80	6.50	2 7/8	2.44	590.19	1,928.1	2,518.3
Gas Lift Mandrel #4	1	L-80	6.50	4.335	2.44	4.10	2,518.3	2,522.4
Tubing	17	L-80	6.50	2 7/8	2.44	553.70	2,522.4	3,076.1
Gas Lift Mandrel #3	1	L-80	6.50	4.335	2.44	4.10	3,076.1	3,080.2
Tubing	17	L-80	6.50	2 7/8	2.44	552.52	3,080.2	3,632.7
Gas Lift Mandrel #2	1	L-80	6.50	4.335	2.44	4.10	3,632.7	3,636.8
Tubing	16	L-80	6.50	2 7/8	2.44	519.88	3,636.8	4,156.7
Gas Lift Mandrel #1	1	L-80	6.50	4.335	2.44	4.10	4,156.7	4,160.8
Tubing	16	L-80	6.50	2 7/8	2.44	522.62	4,160.8	4,683.4
Profile Nipple	1	L-80	6.50	3 1/2	2.31	1.20	4,683.4	4,684.6
Tubing	1	L-80	6.50	2 7/8	2.44	32.77	4,684.6	4,717.4
No Go Nipple	1	L-80	6.50	3 1/2	2.21	1.20	4,717.4	4,718.6
Tubing	1	L-80	6.50	2 7/8	2.44	32.77	4,718.6	4,751.4
Mule Shoe	1			3 1/2	2.44	0.40	4,751.4	4,751.8

Surface, 400.3ftKB

OD (in) 13 3/8	Wt/Len (lb/ft) 54.50	String Grade J-55	Top Connection Buttress Thread	Top (ftKB) 25.1	Set Depth (ftKB) 400.3	
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Joints			8	330.33	25.1	355.4
Float Collar			1	1.49	355.4	356.9
Casing Joints			1	41.55	356.9	398.4
Float Shoe			1	1.88	398.4	400.3

Intermediate, 2,823.5ftKB

OD (in) 9 5/8	Wt/Len (lb/ft) 36.00	String Grade J-55	Top Connection LT&C	Top (ftKB) 28.5	Set Depth (ftKB) 2,823.5	
Item Des			Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Casing Joints			0	0.00	28.5	28.5
Landing Joint			0	0.00	28.5	28.5
Casing Hanger			1	3.20	28.5	31.7
Casing Pup Joint			1	3.00	31.7	34.7
Casing Joints			68	2,744.94	34.7	2,779.6
Float Collar			1	1.45	2,779.6	2,781.1
Casing Joints			1	40.53	2,781.1	2,821.6
Guide Shoe			1	1.90	2,821.6	2,823.5

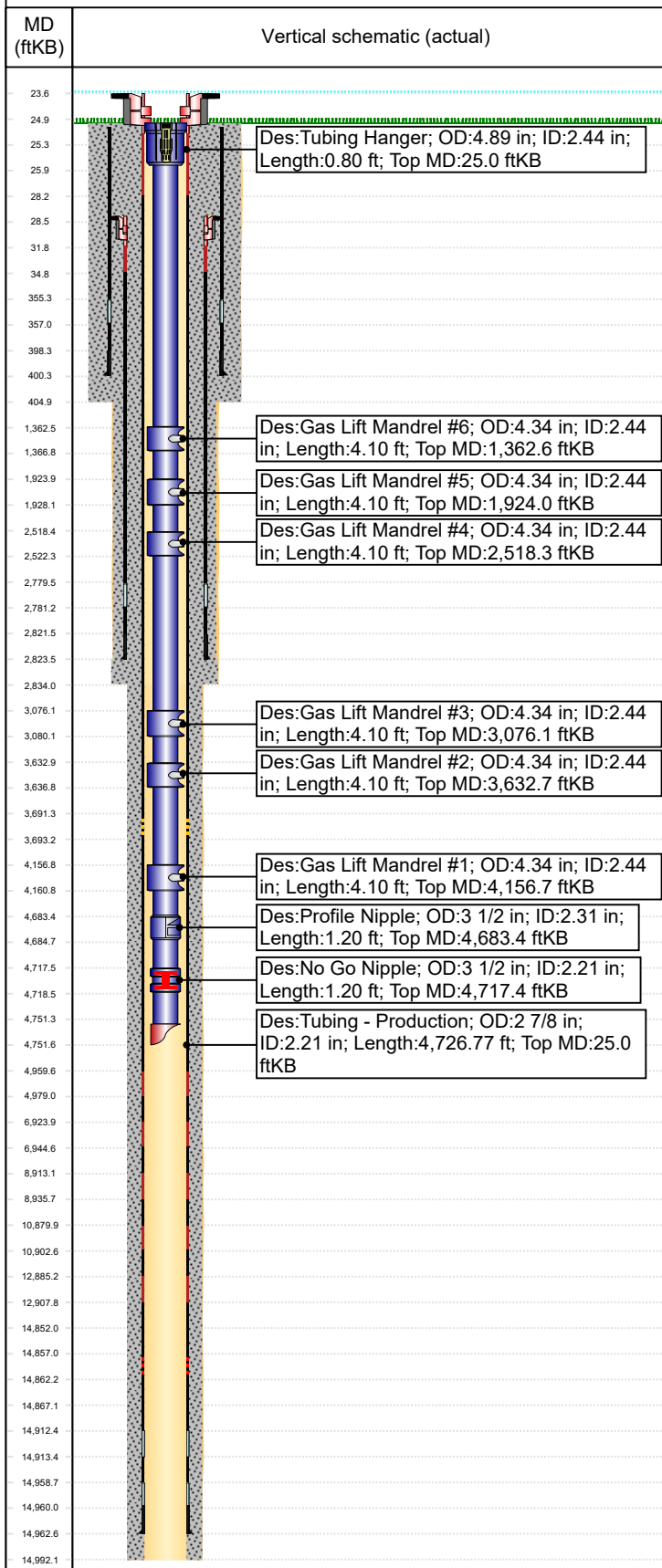


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Horizontal, Original Hole, 4/9/2024 10:49:16 AM



Production, 14,962.6ftKB

OD (in)	Wt/Len (lb/ft)	String Grade	Top Connection	Top (ftKB)	Set Depth (ftKB)
5 1/2	17.00	P-110	LT&C	23.6	14,962.6
Item Des		Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Marker Joint		0	0.00	23.6	23.6
Casing Joints		0	0.00	23.6	23.6
Landing Joint		0	0.00	23.6	23.6
Casing Hanger		1	1.50	23.6	25.1
Casing Pup Joint		1	3.00	25.1	28.1
Casing Joints		81	3,663.28	28.1	3,691.4
Air Lock		1	1.92	3,691.4	3,693.3
Casing Joints		28	1,266.16	3,693.3	4,959.5
Marker Joint		1	19.61	4,959.5	4,979.1
Casing Joints		43	1,944.65	4,979.1	6,923.8
Marker Joint		1	20.86	6,923.8	6,944.6
Casing Joints		44	1,968.43	6,944.6	8,913.0
Marker Joint		1	22.72	8,913.0	8,935.8
Casing Joints		43	1,944.21	8,935.8	10,880.0
Marker Joint		1	22.71	10,880.0	10,902.7
Casing Joints		44	1,982.54	10,902.7	12,885.2
Marker Joint		1	22.60	12,885.2	12,907.8
Casing Joints		43	1,944.21	12,907.8	14,852.0
Xo		1	4.98	14,852.0	14,857.0
Toe Sleeve		1	5.04	14,857.0	14,862.1
Xo		1	5.10	14,862.1	14,867.2
Casing Joints		1	45.22	14,867.2	14,912.4
Float Collar		1	1.18	14,912.4	14,913.6
Casing Joints		1	45.22	14,913.6	14,958.8
Float Collar		1	1.18	14,958.8	14,960.0
Float Shoe		1	2.65	14,960.0	14,962.6

Cement

Description	Cementing Start Date	Cementing End Date
Surface Casing Cement	8/31/2023	8/31/2023
Comment Cement SFC CSG as follows: Flush lines with 10 bbls FW to cellar. Pressure test to 1500 psi. Pumped 10 bbls FW, 10 bbls FW with SAPP, 10 bbls FW. Pumped 352 sx (86.5 bbls) Type III cement at 14.6 ppg, 1.38 ft3/sk yield, 6.65 gal/sk w/ 1% CaCl2 0.25 lb/sk Cello Flake & 0.2% D-CD 2. Dropped plug and displaced with 51.0 bbls FW. Maintained returns throughout job. Circulated 40 bbls CMNT to surface. Plug bumped and floats held. FCP 170 @ 2.75 BPM Bumped to 840 psi.		
Description	Cementing Start Date	Cementing End Date
Intermediate Casing Cement	11/1/2023	11/2/2023
Comment PJSM with Drake Energy Services. Pressure tested lines to 2500 psi. Pumped 10 bbls FW, 10 bbls D-Mud Breaker, & 10 bbls of FW. Pumped Lead Cement: 208 bbls (547 sx) 90:10 Poz:Type III at 12.5 ppg, 2.14 ft3/sk, 12.05 gal H2O/sk. Pumped Tail Cement: 33.6 bbls (137 sx) Type III Blend at 14.6 ppg, 1.38 ft3/sk, 6.64 gal H2O/sk. Dropped plug & began displacement. Displaced with 214 bbls FW. FCP at 894 psi and Bump Plug, bled off floats held. Maintained returns throughout job. Calculated 50 bbls to surface and got 53 bbls of good cement to surface. Top of Lead to surface and top of tail at 2,302 ft MD. Flush Through All Lines		
Description	Cementing Start Date	Cementing End Date
Production Casing Cement	2/5/2024	2/5/2024
Comment Offline Cement Summary: PJSM with American Cementing. Pressure tested lines to 5,000 psi. Pumped 60 bbls Intraguard Star @11.0 ppg. Pumped Lead Cement: 227 bbls (563 sx) ASTM Type I/II at 12.4 ppg, 2.26 ft3/sk, 12.70 gal H2O/sk. Pumped Tail Cement: 478 bbls (1,714 sx) Class G Cement at 13.3 ppg, 1.57 ft3/sk, 7.70-gal H2O/sk. Washed lines, dropped plug & began displacement. Displaced with 346 bbls FW with cement retarder in 1st 50 bbls. FCP 1,607 -- psi Bump Plug at 4.0 bpm to 3,091 - psi. Bled back 3.5 Bbls and floats held. Cement From 14:37 2/5/2024 To 17:49 - 2/5/2024 Top of Tail: Calculated 4,312 ft MD. Top of Lead: Surface Cement Back 74 BBL, Calculated Back 90 bbl's. Cement in place at 17:45 on 2/5/2024, Wash Through All Cement Lines, Rig Down American.		

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 352063

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	OGRID: 372286
	Action Number: 352063
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

Created By	Condition	Condition Date
andrew.fordyce	None	12/3/2025